

**Combustion and Modeling  
Code 6183**

**Postdoctoral Opportunities**

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**Postdoctoral positions exist in several areas including:**

- Modeling of boundary layer diffusion flames on solid surfaces and their interaction with water droplets
  - A small experimental program directed toward model validation
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**Areas of Interest:**

- Water mist suppression of pool fires, flame, ignition mechanisms
  - Scaling relationships for large scale compartment fires
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**Facilities:**

- In house development
  - Commercial computational fluid dynamics codes, such as CFX
  - Computing facilities within the Combustion Modeling and Scaling Section include
    - Multi processor SGI workstation
    - A work station dedicated to data analysis and visualization
    - Sun and Beowulf clusters (available at NRL)
    - Super computers
    - Numerical programs are provided through an interagency high performance computing program
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The postdoctoral program at the Naval Research Laboratory is restricted to U.S. citizens. Initial appointments are for one year and are routinely renewable for a second year.

The applicant is responsible for selecting a research project and writing a research proposal in collaboration with a prospective advisor. The fellowship is administered through the National Research Council. Deadlines for application material are January 15 for the February review and April 15 for the June review.

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**For more information please contact:**

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